

Title (en)
SOLID-LIQUID SEPARATOR AND SOLID-LIQUID SEPARATION SYSTEM

Title (de)
FEST-FLÜSSIG-ABSCHIEDER UND FEST-FLÜSSIG-ABSCHIEDUNGSSYSTEM

Title (fr)
SÉPARATEUR SOLIDE-LIQUIDE ET SYSTÈME DE SÉPARATION SOLIDE-LIQUIDE

Publication
EP 3427806 A1 20190116 (EN)

Application
EP 16893615 A 20161202

Priority
• JP 2016045977 A 20160309
• JP 2016085962 W 20161202

Abstract (en)
This solid-liquid separator (100a) includes a screw type dehydration unit (2) including a screw (22) and that performs primary dehydration on an object to be processed, and a rotary-body type dehydration unit (3) including a plurality of rotary bodies (30), disposed subsequent to the screw type dehydration unit, and that performs secondary dehydration on the object to be processed on which the primary dehydration has been performed by the screw type dehydration unit. The screw rotates at a higher rotational speed than those of the rotary bodies.

IPC 8 full level
B01D 36/02 (2006.01); **B01D 33/00** (2006.01); **C02F 11/122** (2019.01); **C02F 11/125** (2019.01); **C02F 11/147** (2019.01)

CPC (source: EP KR RU US)
B01D 29/46 (2013.01 - EP KR); **B01D 33/11** (2013.01 - EP KR US); **B01D 33/275** (2013.01 - EP KR US); **B01D 33/37** (2013.01 - EP); **B01D 33/41** (2013.01 - KR RU US); **B01D 33/648** (2013.01 - EP KR US); **B01D 36/02** (2013.01 - EP KR RU US); **B01D 37/03** (2013.01 - EP KR US); **B04B 1/20** (2013.01 - KR); **C02F 1/5227** (2013.01 - KR); **C02F 1/56** (2013.01 - KR); **C02F 9/00** (2013.01 - KR US); **C02F 11/122** (2013.01 - EP KR RU US); **C02F 11/125** (2013.01 - EP KR RU US); **C02F 11/147** (2018.12 - EP KR RU US); **C02F 1/52** (2013.01 - EP); **C02F 1/56** (2013.01 - EP US); **C02F 2201/002** (2013.01 - KR); **Y02W 10/20** (2015.05 - KR)

Cited by
CN113426190A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3427806 A1 20190116; EP 3427806 A4 20191023; EP 3427806 B1 20220309; AU 2016396807 A1 20180920; AU 2016396807 B2 20220526; CN 108778450 A 20181109; HR P20220690 T1 20220708; JP 2017159240 A 20170914; JP 6498139 B2 20190410; KR 20180120161 A 20181105; LT 3427806 T 20220627; MY 192349 A 20220817; PL 3427806 T3 20220613; RS 63189 B1 20220630; RU 2708592 C1 20191209; SG 11201807046T A 20180927; SI 3427806 T1 20220729; TW 201731574 A 20170916; TW I723108 B 20210401; UA 124425 C2 20210915; US 11219849 B2 20220111; US 2020298151 A1 20200924; WO 2017154291 A1 20170914; ZA 201805677 B 20191127

DOCDB simple family (application)
EP 16893615 A 20161202; AU 2016396807 A 20161202; CN 201680083330 A 20161202; HR P20220690 T 20161202; JP 2016045977 A 20160309; JP 2016085962 W 20161202; KR 20187024426 A 20161202; LT JP2016085962 T 20161202; MY PI2018703162 A 20161202; PL 16893615 T 20161202; RS P20220397 A 20161202; RU 2018135314 A 20161202; SG 11201807046T A 20161202; SI 201631543 T 20161202; TW 105143343 A 20161227; UA A201810038 A 20161202; US 201616083158 A 20161202; ZA 201805677 A 20180824